



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
FREDERICK M. MAKO, ET AL. )  
Serial No. 10/773,516 )  
Filed: February 5, 2004 ) CERAMIC JOINING  
Art Unit: 1791 )  
Patent Examiner: )  
Michael N. Orlando )

Pittsburgh, Pennsylvania 15213

October 26, 2011

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**PRELIMINARY AMENDMENT**

In response to the Office Action dated April 9, 2010, please enter the following remarks to the above-identified application as follows.